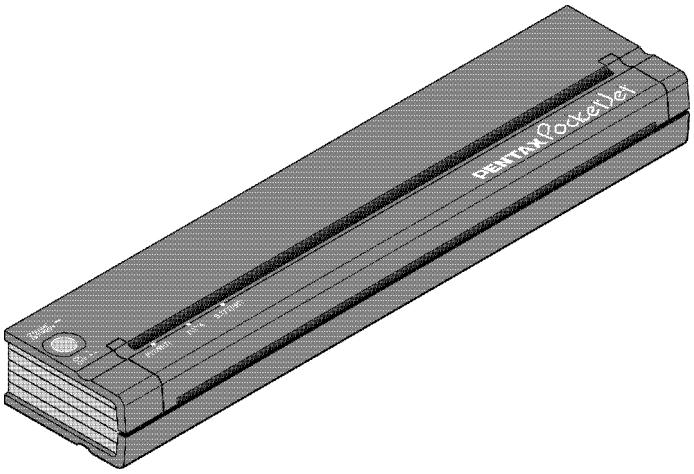
PENTAX® PocketJet® II

PENTAX® PocketJet® 200

Printer User's Guide



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Contents

Safety Information v
Printer Features vii
Warranty Information viii

Chapter 1 Setting Up the Printer

Unpacking the Printer 1
Connecting to an AC Outlet 2
Connecting to a DC Supply 3
Using the Operation Panel 4
Main Switch Functions 4
Power ON 4
Power OFF 4
Manual Form Feed 4
Charge the Battery 4
To Power Off during Charge or Refresh Mode 4
Indicator Lights 5
DIP Switches 5
Checking DIP Switches 5
Setting DIP Switches 6
Printing a Self-Test Sheet 6
DIP Switch Functions (Control Modes) 7
Connecting to Your Computer 8
Via Cable to a PDA 8
Via PC or Laptop Computer 8
Via Infrared Adapter 8

Chapter 2 Using the Printer

Driver Installation 9
PDA Systems 10
Pocket PC Systems 10
Palm OS Systems 11
RIM Blackberry Systems 12
Psion/Symbian Systems (EPOC) Version 5 and Version 6 12
Windows CE Systems 14
Windows Systems 15
System Requirements 15
Windows 95, Windows 98, or Windows Me 15
Windows 3.1 16
Windows NT 4.0 16
Windows 2000/Windows XP 18
Printing 19
Turning the Printer Off 20
Making Prints Lighter or Darker 20
Advanced Software Features 21
Density Modes 21
Form Feed Modes 21
Windows CE Serial Handshake and Port Buffer Size 22
Cut Sheet Paper Usage 22
Non-Perforated Roll Paper Usage 22

Perforated Roll Paper Usage 24
Protecting the Printer 24
Installing the Battery 25
Removing the Battery 27
Charging the Battery 28
Charging the Battery 28
Conditioning Charge 28
Stopping the Charge or Conditioning Process 28
Tips on Using the Battery 29

Chapter 3 Tips on Using Paper
Inserting Paper 31
Always Use Pentax Quality Paper 32
Usage and Handling Instructions 32
Clearing a Paper Jam 33
Method 1 33
Method 2 33

Chapter 4 Maintaining the Printer
Cleaning the Print Head 35
Cleaning the Platen Roller 37
Cleaning the Printer's Exterior 38

Chapter 5 Reference
Indicator Lights 39
Self-Test Feature 40
Auto-Off Timer Feature 40

Chapter 6 Troubleshooting
Overview 41
Indicator Light Warnings 42
Paper Problems 44
Printed Image Problems 44
Pages Don't Print 47
Pages Are Partially Printed 47
Windows CE-related Problems 48

Chapter 7 Technical Information
Specifications 49
Radio & Television Interference 57
United States FCC Regulations 57
Canadian Regulations 58
German Regulations 58

Chapter 8 Ordering Information
Supplies 59
Accessories/Replacement Parts 59
Index

Use Recommendations

- Because the printer uses a thermal printing method, it produces heat during operation. Be sure to place it where it will receive adequate ventilation.

- Don't allow moisture to come in contact with the printer, the AC adapter, or the AC power cord.

Outdoor Use Warning

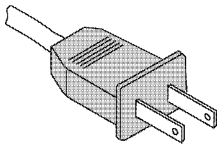
To reduce the risk of electric shock, do not expose this printer, its AC adapter, or the power cord to rain or moisture.

Caution: Using AC Power

To use AC power (with or without the battery installed), you must use the AC adapter supplied with the printer.

The AC adapter allows you to connect to worldwide (100-240 volt) power outlets. The power cord supplied with the PocketJet 200/PocketJet II AC adapter is designed to fit many 115 volt outlets and is shown below. The AC adapter automatically adjusts to the correct voltage when connected.

Check the power plug configurations and voltages that are used in your country. If you need a different plug or power cord, you can either purchase a plug adapter locally, or contact your local reseller or Pentax for assistance in procuring a proper cord set.



Unplug AC Cable when Printer is Not in Use

Always unplug the AC cable from the AC power outlet when you stop using the printer or finish charging the battery. The transformer inside the AC adapter generates heat while it is plugged in. Unplugging the AC adapter extends its life.

Battery Recycling/Disposal Information

This printer can run on an optional rechargeable Nickel-Metal Hydride (NiMH) battery. The battery is recyclable. At the end of its useful life, please consider recycling options (contact your local solid waste officials) or proper disposal (see the paragraphs below). It may be illegal under various state and local laws to dispose of the battery in your solid waste collection.

The RBRC seal on the NiMH battery pack contained in the PocketJet 200/PocketJet II printer indicates that Pentax is voluntarily participating in an industry program to collect and recycle these battery packs at the end of their useful life, when taken out of service within the United States. The RBRC program provides a convenient alternative to putting spent NiMH battery packs into the trash or municipal waste stream, which is illegal in some areas.

Pentax payments to RBRC makes it easy for you to drop the spent battery pack at local retailers of replacement NiMH batteries or at authorized Pentax product service centers. You may also contact your local recycling center for information on where to return the spent battery packs. The involvement of Pentax in this program is part of its commitment to protecting our environment and conserving natural resources.

For users outside the United States, please contact your local reseller or local solid waste official for information on recycling your used batteries.

Printer Features

The Pentax PocketJet® ultra-portable printers have been specifically designed to meet the growing demands of mobile workers.

The Pentax PocketJet printer features include:

- The printer can be driven directly from most Windows, Windows CE, Psion/Symbian (EPOC), PocketPC, Palm, Blackberry, Linux, DOS, and SIBO (Psion Workabout) operating systems, and other handheld device software applications with the supplied drivers.
  Note: Refer to the Pentax website (www.pentaxtech.com) and click on printers for the most current driver solutions.

- High-quality images with a resolution of 203 by 200 dpi (for PocketJet 200) or 300 by 300 dpi (for PocketJet II).

- Print speed of up to three pages per minute.

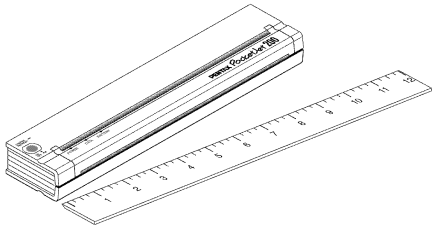
- Operation via AC adapter (that automatically senses and adjusts between 100 and 240 volt power), 12 Volt DC vehicle power, or an internal battery.

- Interface via cable or wireless infrared adapter. For PocketJet 200, select from 4 interface kits: 6" serial cable, Infrared cable, 3' parallel cable, or USB cable. For PocketJet II, a 3' parallel cable or USB cable is supplied in the kit. Other cables can be separately purchased for either printer. No separate interface cards are required.

- Direct thermal technology — no toner, ribbons, or ink are needed.

- Selectable paper sources: cut sheet (US Letter, US legal, A4, or user-defined) and roll paper (continuous or perforated). *Note: An updated driver is needed for perforated paper, either from the supplied CD (V. 2.0 or higher) or from the Pentax website (www.pentaxtech.com).*

- "Infinite" paper size selection to allow printing of very long continuous streams of data on roll paper without a page break.



Warranty Information

Standard Warranty

Pentax provides, free of charge, a one-year limited warranty for your new PocketJet printer. For one year from the date of original purchase, Pentax will repair or replace a failed unit with a new or rebuilt unit when it is returned postpaid to an authorized Pentax service center. A return material authorization number (RMA) and proof of purchase are required—in the continental United States call Pentax Customer Support at **1-800-543-6144, ext. 1820**.

Outside the continental United States, see the driver CD supplied with this product for contact information and warranty details. You can also contact your local dealer for information.

See the warranty information on the driver CD supplied with the unit for details or you can log onto the Pentax web site at

www.pentaxtech.com/TechSupport/faxmailwarrantyform.htm

If the NiMH battery pack or the Pentax Quality Paper fails due to defects in material or workmanship within the first 90 days of ownership, it will be replaced. Contact Pentax or your local reseller for further information.

Pentax makes no other warranty, either expressed or implied, with respect to this product. Some states or provinces do not allow limitations, so the above limitation may not apply to you.

Extended Warranty

See the information on the CD included with your PocketJet printer for extended warranty information, or contact Pentax at 1-303-460-1820 (in Europe, +32.2.306.1194) and ask for Customer Support.

Warranty Registration

We recommend that you register your printer so that we can contact you with product update information if necessary. Please use the driver CD that came with your printer or register directly on-line at:
www.pentaxtech.com/onlinewarranty/on-line_warranty.htm

Chapter 1 - Setting Up the Printer

Unpacking the Printer

Read and follow any instructions on any *Read Me First* sheet that may be included in your kit.

A typical printer kit contains the items shown in Figure 1. You will have to select an interface cable for your system to add to the kit. (See Chapter 8 for options and accessories.)

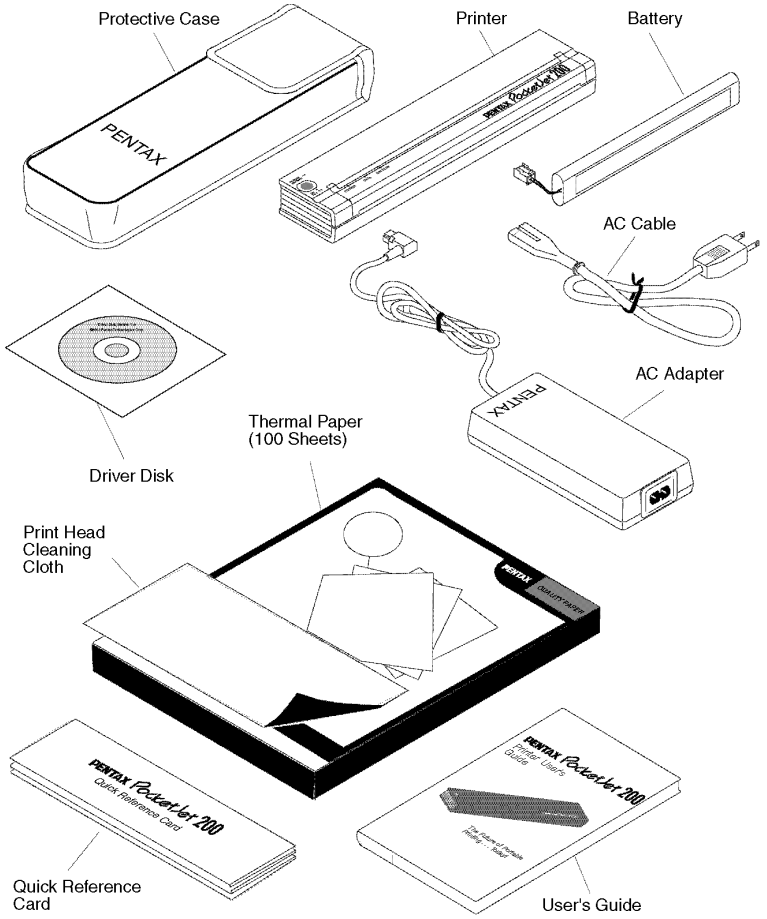


FIGURE 1. The contents of your printer kit

Connecting to an AC Outlet

Connect the printer to a nearby AC power outlet to run it on AC power or to charge the battery (see Charging the Battery).

1. Connect the AC adapter to the printer as shown in Figure 2.

2. Connect the AC power cord to the AC adapter.

3. Plug the AC power cord into a nearby AC power outlet.

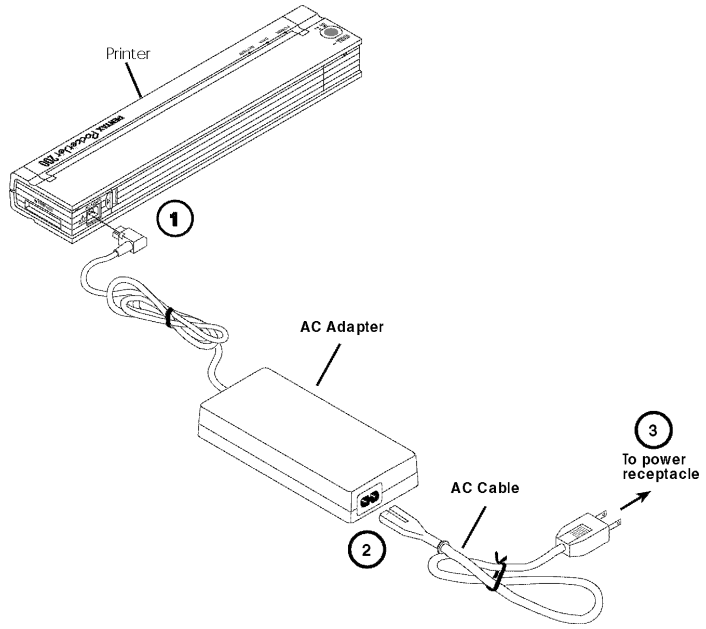


FIGURE 2. Connecting the printer to an AC power outlet

The PocketJet works from DC sources from 11.8 to 14.4V. If the voltage drops below 11.8, the print quality will begin to degrade.

NOTE: *The plug on the AC power cord shown in Figure 2 is compatible with AC power outlets in the U.S.A., Canada, and some Central and South American countries. Use a plug adapter if necessary or contact your local reseller or Pentax for further assistance.*

Connecting to a DC Supply

To connect your PocketJet to a 12-volt vehicle DC supply, follow the steps below.

1. Connect an appropriate power adapter cord (either with a cigarette plug or direct wired) to the vehicle 12VDC supply as shown in Figure 3. (These items are available as options - See Chapter 8 - Ordering)

2. Connect the power cord to the PocketJet.

3. Turn on the vehicle power, then turn on the PocketJet.

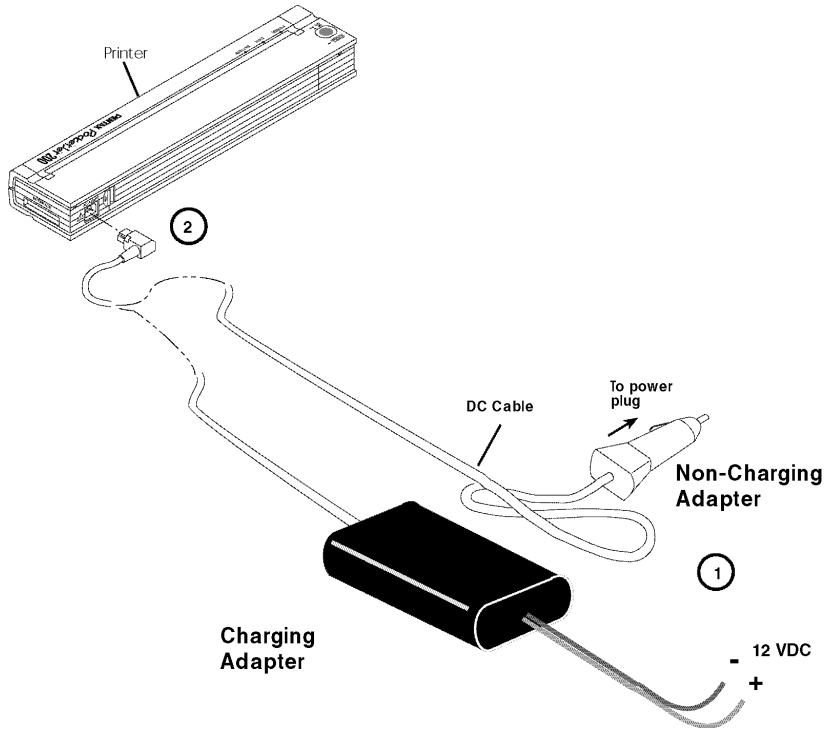


FIGURE 3. Connecting the printer to DC power

The PocketJet printer works from DC sources from 11.8 to 14.4V. If the voltage drops below 11.8, the printer will cease to function until the battery is recharged.

Using the Operation Panel

The operation panel consists of the main switch and three indicator lights. See Figure 4.

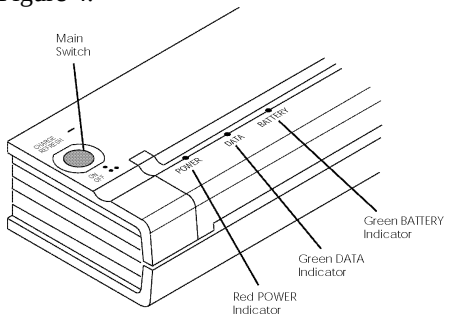


FIGURE 4. Operation panel

Main Switch Functions

Power ON: Push once quickly while the printer is OFF.

Power OFF: Push twice quickly.

NOTE: *The printer automatically powers off when running under battery power and if there has been no activity for 2 minutes (no data received, no paper inserted, etc.) but only if the auto-off timer is active. See p.38, Auto-Off Timer Feature.*

Manual Form Feed: With power ON and paper inserted, press and hold the main switch to feed (or eject) paper.

Charge the Battery: With the printer off, push the main switch and hold it down for several seconds until the green BATTERY indicator lights and stays lit. Press the main switch again and hold it until the BATTERY indicator begins to blink. This bypasses the NiMH discharging process and begins to charge the NiMH battery immediately. The green battery indicator light blinks until charging is complete.

To Power Off During Charge Mode: Push the main switch twice quickly (same as when in normal operating mode).

Indicator Lights

The three indicator lights—POWER, DATA, and BATTERY— show both normal operation and error conditions.

- Red POWER light is steady: Power is on.
- Red POWER light is blinking: An error has occurred.

- Green DATA light is steady: Unprinted data is in the printer buffer or a command has been received from the computer.
- Green DATA light is blinking: Printer is receiving data.

- Green BATTERY light is steady: The battery charge is high or the battery is being discharged.
- Green BATTERY light is blinking: The battery charge is low or the battery is being charged.

Chapter 5, "Reference," contains a table with all combinations of indicator lights and their meanings.

DIP Switches

Four DIP switches control how the printer works. Follow these steps to make sure the switches are set correctly.

Checking DIP Switches

1. Set the printer face down so that the battery compartment is towards you.

2. Find the set of four DIP switches marked SW1 on the bottom of the printer. See Figure 5.

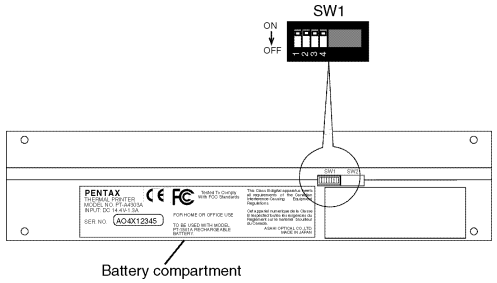


FIGURE 5. Checking the printer's DIP switches

3. Check the settings of the DIP switches.

NOTE: *At the factory all DIP switches are set to ON (up). For a table listing the function of each DIP switch, see next page.*

Setting DIP Switches

1. Make sure the printer is turned off.

2. Set the printer face down so that the battery compartment is towards you.

3. Using a pointed object such as a mechanical pencil or paper clip, gently move each DIP switch to the desired position: towards you for OFF, away from you for ON.

4. Turn the printer face up, turn the printer on and continue.

Printing a Self-Test Sheet

1. Make sure the printer is turned off.

2. Using a pointed object such as a mechanical pencil or paper clip, gently move DIP switch 1 to the OFF position (all others should be in the ON position).

3. Place a sheet of paper in the printer.

4. Press the power switch once quickly. A test pattern should be printed on this paper as it is fed through the printer.

5. If you need to print multiple test pages, repeat steps 1 through 4 above as needed.

6. When finished, turn the Printer off and reset DIP switch 1 to the ON position.

DIP Switch Functions (Control Modes)

There are four control modes and one control function available. Turn the printer off, select the mode(s) you desire (see page 20 & 21 for details) using the DIP switches on the bottom of the printer as explained below (See Figures 6a-c below), then turn the printer back on. Note that the DIP switches are all set to the ON position at the factory as default positions.

SW1 - Self Print

FIGURE 6a.

This mode allows you to print a test page consisting of a repeating pattern of various-density bars down to the end of the page. Set DIP switch 1 to OFF to enable the self-print function. Note that the test page size is US Letter.

SW2 – Paper Set Control

FIGURE 6b.

If this switch is in the OFF position, paper in the printer will not be moved when the printer is powered up. This is for using roll paper. If this switch is in the ON position, paper in the printer will be moved into position when the printer is powered up. This is for using cut sheet paper.

SW3 - Auto-Off Timer

FIGURE 6c.

This mode applies only when the printer is powered by the NiMH battery. It allows you to turn the Auto-Off Timer on or off. In the ON position, it will turn the printer off after 120 seconds of no activity. In the OFF position, the printer will stay on until the battery is drained. The default is ON.

SW4 - Cleaning Mode

FIGURE 6d.

DIP switch 4 is set to OFF to allow you to clean the PocketJet print head and maintain quality printing. You must use the black felt cleaning paper that came with your printer. The default switch setting is ON (cleaning mode is OFF).

NOTE: *In this mode, the other three switches have no effect. You may leave them in previously set positions.*

Connecting to Your Computer

Via Cable to a PDA (such as a Pocket PC, Win CE, Palm, or RIM OS device)

1. Make sure your printer is off before installing the interface cable.

2. Take the printer end of the cable and hold it so the notched metal surface is facing up. All cables will have this connector as shown in the serial cable example below.

3. Insert the printer end of the cable into the interface connector on the side of the printer. See example, Figure 7. This is the proper connection regardless if this is a serial, parallel, Infrared, or USB cable.

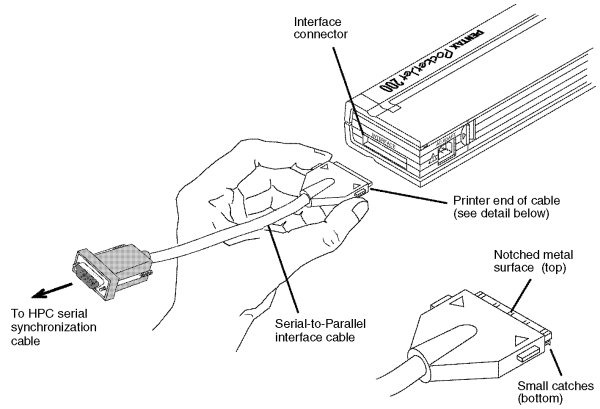

Interface connector
Printer end of cable (see detail below)
Notched metal surface (top)
To HPC serial synchronization cable
Serial-to-Parallel interface cable
Small catches (bottom)

FIGURE 7. Connecting the PocketJet to your computer

CAUTION: *Always insert and remove the interface connector gently. Press the latching devices on each side of the interface connector when removing the cable.*

4. Connect the other end of the cable to the serial synchronization cable provided with your PDA.

Via PC or Laptop Computer

If you want to connect your PocketJet to a PC or laptop computer, use the Infrared Adapter or one of the other optional interface cables (PC Serial, Parallel, USB, etc. but not the 6" serial cable)

Via Infrared Adapter

See the instructions that come with the Pentax Infrared Adapter for connection instructions.

Chapter 2 - Using the Printer

Driver Installation

Your printer requires software drivers to communicate with your computer and print properly. A CD with drivers and installation information is provided with your PocketJet kit. **The newest information and drivers are available from the Pentax web site, www.pentaxtech.com by selecting "Technical Support."** The supplied driver CD and the website both list the latest driver version numbers. If the website version is newer (with a higher version number), we recommend that you install the website version.

Please take time to fill out the warranty registration information before installing any drivers to ensure you the best technical support, should you need it.

Drivers that can be installed automatically, once selected from the CD's main setup program, are:

	PJ 200	PJ II
• Windows 95/98/Me	X	X
• Windows NT4	X	X
• Windows 2000/XP	X	X
• PocketPC* applets – time trials only	X	X
• Palm OS* applets – time trials only		
Instep,	X	X
IS Complete and Stevens Creek	X	–
• Psion/Symbian (EPOC – V. 5 and V. 6)	X	X
• Windows CE	X	X
• RIM Blackberry* (Contact Pentax Technical Support)		

* These operating systems do not support printing without the addition of a printing applet. Trial versions of the printing applet are supplied on the driver CD and on the Pentax website. Contact the applet provider to purchase the one you want after the trial period. PocketPC 2000 and higher systems may use the WinCE driver if using application software that is enabled to use it.

Drivers that must be installed by following the instructions in this manual or from the HELP screen that pops up from the CD are:

- Windows 3.1
- Linux
- DOS
- SIBO (Psion Workabout)

PDA Systems

Note: If for any reason the drivers do not load automatically as described in the CD Install instructions, use the Manual Install directions that follow.

PocketPC Systems

Trial versions are available. Each applet allows you to print different things from your Pocket PC including Pocket Word/Excel/Outlook documents, clipboard documents, screen shots, image files, and Pocket Internet Explorer documents. Check www.fieldsoftware.com for the latest versions.

• CD Install

1. Connect your Pocket PC to your desktop or laptop PC.
2. Insert the Driver Disk CD in your CD drive. Make sure "CE Services" or "Active Sync" is installed on your PC.
3. Select "Installation," select "PocketJet 200" or "PocketJet II," and click "continue."

- Complete the registration information and then click "continue," or click "skip" to proceed without completing the registration.
- Select "Pentax PocketJet 200" or "PocketJet II," select "PDA" (deselect any other operating system), and click "continue."
- Select "Pocket PC," then click "continue."
- Select "Show Me" to get more information on using your PocketJet with Pocket PC devices, then close that window and select one or more of the four drivers listed, then click "Continue."

4. For each driver selected, you will now automatically run through each install program, one by one, and then you must synchronize with your PocketPC.
5. Complete any additional warranty information requested, and then submit it using your preferred method.
6. Click "exit."

• Manual Install

1. Insert the Driver Disk CD into the CD drive on your PC.
2. From the "Start" menu, choose "Run."
3. Choose "Browse" and find one of these five files:

- (For graphics) <CD Drive>:\<PJ200 or PJ2>\PocketPC \PocketPixPrint\ PocketPixPrint_Install.exe.
- (For printing screen captures)<CD Drive>:\ <PJ200 or PJ 2>\PocketPC \PocketShot\ PocketShot_Install.exe
- (For printing contents of clipboard) <CD Drive>:\<PJ200 or PJ 2>\PocketPC\PocketPrintClip\ PocketPrintClip_Install.exe

- (For printing MS Word/Excel/Outlook documents) <CD Drive>:\<PJ200 or PJ 2>\PocketPC\PrintPocketCE\ PrintPocketCE_Install.exe
- (For printing from Pocket Internet Explorer) <CD Drive>:\<PJ200 or PJ 2>\PocketPC\PIEPrint\PIE Print_install.exe

Note: PIEPrint requires PocketPC 2002 or higher.

1. Choose "OK" and follow the on-screen instructions.
2. Synchronize with your PocketPC.

Palm OS Systems

There are three choices for time trial printer drivers available on the PocketJet Driver CD for Palm devices supporting PocketJet 200 printers as shown below (Contact Pentax Technical Support at 1-800-453-6144, ext. 1820 for Palm OS System support for the PocketJet II). Each choice is provided by a different 3rd-party vendor and all provide similar functionality. Choose one, or try all three, to determine which one you like the best. The trial version will give you a notification that it will "shut off" before the end of the trial period with the option to purchase a copy. Contact the application provider to purchase your copy (www.instepgroup.com, www.iscomplete.com, or www.stevenscreek.com). Refer to the vendor's website for the latest software updates.

Note: Both ISComplete and Stevens Creek support Palm OS 5.x and earlier. InStep Print only supports Palm OS 4.x and earlier.

• CD Install

1. Connect your Palm to your desktop or laptop PC.
2. Insert the Driver Disk CD in your CD drive.
3. Select "Installation," select "PocketJet 200," and click "continue."
4. Complete the registration information and then click "continue," or click "skip" to proceed without completing the registration information.
5. Select "Pentax PocketJet 200," select "PDA" (deselect any other operating system), and click "continue."
6. Select "Palm OS," then click "continue."
7. Select "Show Me" to get more information on using your PocketJet with Palm OS devices, then close that window and select one or more of the three drivers listed, and then click "Continue."
8. For each driver selected, you will now automatically run through each install program, one by one, and then HotSync with your Palm.
9. Complete any additional warranty information requested, and then submit it using your preferred method.
10. Click "exit."

• Manual Install

1. Insert the Driver Disk CD into the CD drive on your PC.
2. From the "Start" menu, choose "Run."
3. Choose "Browse" and find one of these three files:
   - <CD Drive>:\PJ200\PalmOS \InStepPrint\ and then select all available DRC and PDB files.
   - <CD Drive>:\ PJ200\PalmOS \ISComplete BtPrint and then select all available PRC and PDB files
   - <CDDrive>:\PJ200\PalmOS\StevensCreek PalmPrint\Install.exe
4. Choose "OK" and follow the on-screen instructions.
5. HotSync with your Palm.

RIM Blackberry Systems

Check with www.instepgroup.com or Pentax Technical Support (1-800-453-6144, ext. 1820) for the latest Blackberry software information.

Psion/Symbian (EPOC) Version 5 and Version 6

The ER 6.0 driver is available on the CD (V. 2.0 or higher) and the Pentax Website as of this publication. Check the website or Technical Support for ER6.1 and ER 7 availability. Note that Version 6.0 will only work for Nokia 92xx Communicator devices.

• CD Install

1. Establish a connection from your Psion/Symbian/EPOC device to your PC. You must have installed the connection software that came with our device to do this.
   - Enable "Remote Link." Select "System:File Menu:Tools:Remote Link" and choose the desired interface method, Infrared or Cable.
   - Make sure no other applications have control of the port. Select "Mobile Devices:File:Communications:Auto Connect" and choose "Only While Mobile Devices Window Is Open."
2. Insert the Driver Disk CD into the CD drive on your PC.
3. From the "Start" menu, choose "Run."
4. Choose "Browse" and locate the most appropriate Pentax.sis file on the CD:
   - <CD Drive>:\<PJ2 or PJ200>\EPOC-Symbian\<ER5 or ER6>\Pentax.sis.
5. Insert the Driver Disk CD in your CD drive.

6. Select “Installation,” select “PocketJet 200” or “PocketJet II,” and click “continue.”
7. Complete the registration information and then click “continue,” or click “skip” to proceed without completing the registration information.
8. Select “Pentax PocketJet 200”or PocketJet II,” select “PDA” (deselect any other operating system) and click “continue.”
9. Select “Symbian/EPOC,” then click “continue.”
10. Select Version 5 or Version 6, as appropriate, then click “continue.”
11. Complete any additional warranty information requested, and then submit it using your preferred method.
12. In order to print, you must disable the “Remote Link” by setting it to “off.”

• Manual Install

1. Establish a connection from your Psion/Symbian/EPOC device to your PC. You must have installed the connection software that came with our device to do this.

- Enable “Remote Link.” Select “System:File Menu:Tools:Remote Link” and choose the desired interface method, Infrared or Cable.
- Make sure no other applications have control of the port. Select “Mobile Devices:File:Communications:Auto Connect” and choose “Only While Mobile Devices Window Is Open.”

2. Insert the Driver Disk CD into the CD drive on your PC.
3. From the “Start” menu, choose “Run.”
4. Choose “Browse” and locate the most appropriate Pentax.sis file on the CD:

- <CD Drive>:\<PJ2 or PJ200>\EPOC-Symbian\<ER5 or ER6>\Pentax.sis.

5. Choose “OK” and follow the on-screen instructions.

Windows CE Systems

Refer to the Pentax website at www.pentaxtech.com for the most current driver solutions.

1. Install Windows CE Services or Active Sync on your desktop computer.
2. Connect your Windows CE device to your desktop computer with the serial cable provided.
3. Insert the Driver Disk CD into the desktop computer's CD drive.
4. Select "Installation," select "PocketJet200" or PocketJet II," and click continue.
5. Complete the registration information and then click "continue," or click "skip" to proceed without completing the registration process.
6. Select "PocketJet 200"or PocketJet II" select "WindowsCE," deselect any other operating system, and click "continue."
7. Follow the on-screen instructions and complete the installation by clicking on "Done." Note: You must select the version of Windows CE (either 2.0 or 2.1) that is installed in your computer.
8. Complete any additional warranty information requested, and then submit it using your preferred method.
9. Disconnect your Windows CE device from the desktop computer.

Note: *For uninstall instructions, see the "Read Me" file on the driver disk.*

Windows Systems

System Requirements

We recommend the following as system minimums:

- Windows CE, Windows 95 or 98, Windows version 3.1, Windows Me, Windows NT 4.0, Windows 2000, Windows XP.
- 4MB of RAM or more
- 4MB of free disk space or more

Please consult the Read Me files on your driver installation disk for any last-minute installation updates. Check the Pentax website for the latest drivers.

Windows 95, Windows 98 or Windows Me

• CD Install

1. Place the Driver Disk CD in the CD drive.
2. Select “Installation.”
3. Select “PocketJet 200” or PocketJet II,” then select “continue.”
4. Fill in the requested product registration information and then click “continue,” or click “skip” to proceed.
5. Select “PocketJet 200” or PocketJet II,” select Windows 95 or 98 or ME,” and click “continue.” The AutoInstall program will begin.
6. Select “Next.”
7. Select “Port,” and then “Next.”
8. Choose a name and a default preference, then “Next.”
9. Click “Finish.”
10. Complete any additional warranty information requested, and then submit it using your preferred method.

• Manual Install

If using the Add Printer Wizard to install drivers manually, follow these instructions:

1. Choose “Start:Settings:Printers.”
2. Double click “Add Printer.”
3. Click “Next.”
4. Select “Local Printer” and “Next.” (This step is not required on all versions unless connected to a network drive.)
5. Choose “Have Disk. . .”
6. Choose “Browse,”
   a. In the folders list, double click on “PJ200” or “PJ2” directory.
   b. In the folders list, double click on the “Win9xMe” directory.
   c. Find the “PJII95.INF” or “PJ200_95.INF” file, click “OK,” and then “OK”.
7. “Pentax PocketJet 200” or “Pentax PocketJet II” should be displayed; then click “Next.”
8. Follow the on-screen directions to set up the printer as desired.
9. You will be prompted to insert your Windows diskettes or CD.

10. Choose OK, otherwise the installation will be canceled
    a. If you have the installation diskettes (or CD), insert them into the appropriate drive.
    b. If you do not have the installation diskettes (or CD), the required files may already be on your system and do not need to be reinstalled. Choose "Skip File" instead. *Do this step (choosing "Skip File")* ***three times,*** *once for each of the three UNIDRV files being installed if you do not have your CD.*
    c. If you have tried steps "a" and "b" and you find that the driver is not on your system, contact Technical Support.
1. If you chose to "Print Test Page" while following the on-screen instructions and the PocketJet is connected to your computer, you have inserted paper into the printer, and it is turned on, the printer should now be printing.

Windows 3.1

• Manual Install

1. Insert the Driver Disk CD into the CD disk drive.
2. From the Control Panel, double-click "Printers."
3. Choose "Add."
4. Choose "Install Unlisted or Updated Printer."
5. Choose "Browse"
6. Follow the on-screen instructions.
   - In the "Drives" list box, select the drive letter corresponding to your CD-ROM drive.
   - In the "Folders" list box, double-click on "PJ200" or "PJ2".
   - In the "Folders" list box, double click on the "Win31" directory.
   - Choose the "OEMSETUP.INF" file, then click "OK," then follow any remaining onscreen instructions.

Windows NT 4.0

• CD Install

Check the Pentax website for the latest information on current drivers.

1. Insert the Driver Disk CD into the computer's CD drive.
2. Select "Installation."
3. Select "PocketJet 200" or PocketJet II," then select "continue."
4. Fill in the requested product registration information and then click "continue," or click "skip" to proceed.
5. Select "PocketJet 200" or "PocketJet II," select Windows NT," and click "continue." The AutoInstall program will begin.
6. Select "Next."
7. Select the "Port."
8. Select the "Model."
9. Select the printer name and the default.
10. Click on "Finish."

11. Complete any additional warranty information requested, and then submit it using your preferred method.

• Manual Install

If using the Add Printer Wizard to install drivers manually, follow these instructions:

1. Choose “Start:Settings:Printers.”
2. Double click “Add Printer.”
3. Select “My Computer.”
4. Click “Next.”
5. Select the desired port, most likely “LPT1,” and click “Next.”
6. Choose “Have Disk. . .”
7. Choose “Browse.”
   - In the “Drives” list box, select the drive letter corresponding to your CD-ROM drive.
   - In the “Folders” list box, double-click on “PJ200” or “PJ2”.
   - In the “Folders” list box, double click on “WinNT4” directory.
   - Choose the “PJ200NT.INF” or “PJIINT.INF” file, then click “OK,” then follow any remaining onscreen instructions.
8. The screen should display the available printer models:
   a. Pentax PocketJet 200 (or II)-Sheet Paper - select this if you are using cut sheet paper. Click “Next” to continue.
   b. PocketJet 200 (or II)-Roll Paper - select this if you are using roll paper. This Mode 1 defaults the “Extra Feed” to 1 inch. Note: The PocketJet II has an additional Mode 1 called “Roll Paper 2” that has a longer “Extra Feed” value. Click “Next” to continue.
   c. Pentax PocketJet 200 (or II) Roll Paper Infinite – select this if you are using roll paper and are printing long continuous data such as geological recordings or polygraph tests.
   d. Pentax PocketJet 200 (or II) with Perforated Roll Paper – select this if you are using perforated roll or fanfold paper (available with new drivers only). Using perforated or fanfold paper gives you the advantage of having a virtual sheet feeder. See the Pentax website (www.pentaxtech.com) for the most up-to-date driver.
   e. You may load any combination of printer models if you will be using both sheet and roll paper – however, an installation for each model will be required.

   When the desired model is selected, click “Next.”

   Note: To use multiple types of paper (for example, both sheet paper and roll paper), run installation program once for each type of paper. Then, choose appropriate printer model for paper being used.
9. Follow the remaining on-screen instructions.
10. You will be prompted to insert your Windows NT CD. Choose OK, otherwise the installation will be canceled.

a. If you have the installation CD, insert into the drive.
b. If you do not have the installation CD, the required files may already be on your system and do not need to be reinstalled. Choose "Skip File" instead. *Do this step (choosing "Skip File") **three times**, once for each of the three RASDD files being installed if you do not have your CD.*
c. If you have tried steps "a" and "b" and you find that the driver is not on your system, contact Technical Support.

1. If you chose "Print Test Page" while following the on-screen instructions, the PocketJet is connected to your computer, you have inserted paper into the printer, and it is turned on, the printer should now be printing.

Windows 2000/Windows XP

• CD Install

Check the Pentax website (www.pentaxtech.com) for the most current driver software.

1. Insert the Driver Disk CD into the CD drive.
2. Select "Installation."
3. Select "PocketJet 200" or PocketJet II," then select "continue."
4. Fill in the requested registration information and then click "continue," or click "skip" to proceed.
5. Select "PocketJet 200" or "PocketJet II," select Windows 2000/XP," and click "continue." This will launch our AutoInstall program, which will then launch the Microsoft Add Printer Wizard.
6. If asked to choose a local or network printer, choose "local." Turn OFF (no check) "Automatically detect 'Plug and Play' printer".
7. Click "Next."
8. Select the desired port and click "Next."
9. The display should read "Pentax PocketJet 200" or Pentax PocketJet II." Click "Next."
10. Follow the on-screen instructions. When you reach the final setup screen, click "Finish."
11. 13. If you see a warning message, "Digital Signature Not Found," click "Yes" to continue the installation.

Complete any additional warranty information requested, and then submit it using your preferred method.

• Manual Install

1. Insert the Driver Disk CD into the CD drive.
2. Choose "Start:Settings:Printers."
3. Double click "Add Printer."
4. Click "Next."

5. If you are asked to choose a local or network printer, choose "local." Also, turn OFF (no check) the "Automatically detect 'Plug and Play' printer" selection.
6. Click "Have Disk. . ."
7. Click "Browse,"
   a. In the "Drives" list box, select the drive letter corresponding to your CD-ROM drive.
   b. In the "Folders" list box, double-click on "PJ200" or "PJ 2".
   c. In the "Folders" list box, double click "Win2000-XP".
   d. Choose the "PJ200.INF" or PJ2.INF" file, then click "OK."
1. The display should read "Pentax PocketJet 200" or Pentax PocketJet II." Click "Next."
2. Follow the on-screen instructions. When you reach the final setup screen, click "Finish."
3. If you see a warning message, "Digital Signature Not Found," click "Yes" to continue the installation.

Note: You can safely ignore Windows XP "warning" messages in addition to the "Digital Signature Not Found" message.

If you chose "Print Test Page" while following on-screen instructions, the PocketJet is connected to your computer, you have inserted paper into the printer, and it is turned on, the printer should now be printing.

Printing

1. Make sure that you have installed a charged battery, have connected the printer to an AC power outlet, or have a DC adapter plugged in.

2. Turn the printer on by pressing the main switch once quickly. The red POWER indicator lights up. (If you are using the battery, the green BATTERY indicator also lights up.) See Figure 8.

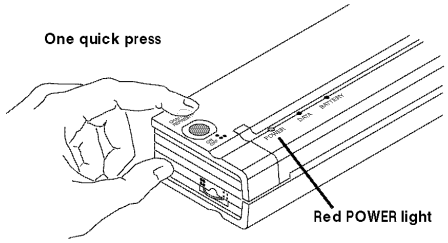


FIGURE 8. Turning on the printer

3. Insert a sheet of Pentax Quality Paper into the paper input slot. Place the print side of the paper away from you, so that it faces the rear of the printer. See Figure 9.

NOTE: *You can print only one side of the paper. This is the smooth, coated side. See Chapter 3, "Tips on Using Paper."*

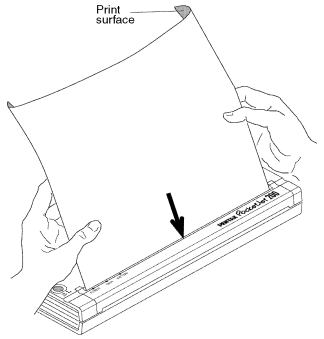


FIGURE 9. Inserting a sheet of paper

4. Print one or more pages from any software application.

The green DATA indicator light blinks to indicate that the printer is receiving data from your computer.

NOTE: *If you have inserted paper into the input slot and the green DATA light stays on (without blinking), the printer has received insufficient data to print an entire page. Press and hold the green Power button to eject the page.*

Turning the Printer OFF

Press the main switch twice quickly to turn the printer off.

NOTE: *If a battery is powering the printer and the Auto-Off Timer feature is enabled, the printer will turn itself off automatically after two minutes of inactivity.*

Making Prints Lighter or Darker

You can make prints lighter or darker by using the Print Density Setting in the printer driver dialog. See "Advanced Features," below.

NOTE: *Changing the density setting results in slight changes in the printer's speed and the number of pages that can be printed on a battery charge.*

Light print density may indicate too low a voltage (less than 11.8 volts) if the unit is being powered by a vehicle DC supply. Check and correct the supply voltage, if needed, or be sure the vehicle engine is running.

Advanced Software Features

These features can be accessed using the software dialog boxes and methods discussed below. For more detailed information, view the "Read Me" file on the driver CD.

In Windows CE, double tap on the PocketJet printer icon in the Control Panel window.
In Windows 95/98/Me, use the path "Start:Settings:Printers:Pentax PocketJet 200 (or PocketJet II):Properties:Advanced"
In Windows 3.x, access the advanced features using the path "Control Panel:Printers:Pentax PocketJet 200 or PocketJet II:Setup" or with your application software's Print Setup.
In Windows NT, you must install the correct printer model, as each model fixes many of the settings. Density can be modified using "Start:Settings:Printers:Properties."
In Windows 2000/XP, access the advanced features using "Start:Settings:Printers: Pentax PocketJet 200 or II:Printing Preferences:Advanced."

NOTE: *Changing features from your software application's "Print Setup," will permanently change the Density, and Form Feed Mode. Other features such as paper size, orientation, and intensity (which can be accessed from the "options" button) may only be changed temporarily. Use the Control Panel to permanently change these settings.*

Density Modes

You can set the print density from 0 (light) through 10 (dark) to your preference

Form Feed Modes

You can set how the printer ejects paper by using the following options.

- **No Feed Mode** - there is no paper feed at the end of a job. This is typically used with non-perforated roll paper.
  - **No Feed Mode Extra Feed** - this option is used in conjunction with the No Feed Mode to eject paper by setting the number of lines to be ejected (at 200-dpi for PocketJet 200 or 300-dpi for PocketJet II) after the end of a document.

NOTE: *The "Extra Feed" mode only affects the last page of a document if it is multipage. The bottom margin as selected by the application has no effect. The top margin actually defines the total top and bottom margin between pages of a multi-page job.*

- **Fixed Page Mode** - the paper always feeds at the end of a job to complete the vertical page size specified (i.e., letter, legal, A4, or user-defined size). Use this with cut sheet paper
- **End of Page Mode** - the printer feeds paper until an "out-of-paper" condition is found, or a maximum of 14". Use this with perforated paper.

Windows NT NOTE: *In Windows NT, if you select sheet paper, you automatically get Fixed Page Mode. If you select roll paper, you automatically get No Feed Mode. If you select "Perforated Roll Paper," you automatically get "End of Page" mode.*

Windows CE Serial Handshake and Port Buffer Size

Make sure the interface cable is connected from the printer to the synchronization cable on your computer. Using the Print Dialog, select the appropriate port and the speed (for instance, for CE 2.0, choose serial @ 57,600; for CE 2.1, choose Com1: 57,600).

Windows CE Notes: In Windows CE,

1) With CE 2.0 and a serial cable, select "Serial@57600". With CE 2.1 and a serial cable, select "COM1:57600".
2) Software handshaking is the default for CE 2.0. Hardware handshaking is the default for CE 2.1 or greater. If the page doesn't print as it should, use the Control Panel to change to hardware handshaking method. Note that the "Serial Handshake" control only has an effect when using a serial cable.
3) If the page still doesn't print correctly, you may need to reduce the value of "Port Buffer Size" to 16 or lower.
4) If you always use the same printer settings, deselect the "Display This Dialog When Printing" to prevent having to respond to this box for every print job.

Cut Sheet Paper Usage

1. Select "Fixed Page" mode.
2. Select the appropriate paper size (Letter, A4, Legal).

Non-Perforated Roll Paper Usage

To use roll paper, you must select from either fixed page length using "Fixed Page Mode" or variable page length using the "No Feed Mode" and selecting a page eject length using the "No Feed Mode Extra Feed" option.

A. Variable Length Forms (saves paper)

1. Select No Feed Mode.

2. Set the value of the No Feed Mode Extra Feed to the amount of margin you wish to have between the final printed line and the end of the document. For example, 200 lines equal 1 inch. This allows paper advancement from the print head area inside the printer to a position outside the printer. This provides for a "tear-off" position from a continuous roll feed that will include the entire printed image.

3. The Paper Size selected does not affect this mode except to provide a maximum number of lines per page.

B. Infinite Length Forms (such as geological recordings or polygraph charts) – (Only available in Win 9x/Me, Win NT, and Win 2000/XP drivers)

1. Select No Feed Mode.
2. Select "Infinite Paper Size."
3. Set the value of the No Feed Mode Extra Feed to the desired length.
4. Check to be sure that the Top/Bottom margins within your application software are set to zero (0).

C. Fixed Page Length

1. Select Fixed Page Mode.

2. If the length corresponds to one of the pre-defined paper sizes (Letter, Legal, or A4), select the desired paper size from the Advanced Features Setup using the Control Panel method instead of the application software's Print Setup in order to make it permanent (under the "Paper" property sheet in Windows 95 or the "options" under Windows 3.1).

3. If the fixed length desired is not one of these sizes, use the Advanced Features setup as explained in #2 above to select User Defined Paper Size. Set the width and length as desired.

D. Multipage Documents with "tear off" for EACH page

Note: This feature is only available with Win 9x/Me and has recently been added to the Win2k/XP driver (check the Pentax website for the latest driver).

Select "Prompt" for Win 9x or "Roll Paper Pause" for Win 2k/XP for Paper Source on the "Paper" tab within the printer properties control panel. This setting causes a dialog to be displayed before EVERY printed page, including the first one.

Perforated Roll Paper Usage

1. Select “End of Page” mode.
2. Select “Perf Letter” or “Perf A4” paper size. This is very important because the printable area is smaller when using perforated paper compared to cut sheet paper.

WinCE Note: Check the “Perforated Paper” box.

Protecting the Printer

When you are not using the printer or charging its battery, always take the following precautions:

• Unplug the AC cable from the power outlet

NOTE: *The transformer inside the AC adapter generates heat while it is plugged in. Unplugging the adapter extends its life.*

• Store the printer in its carrying case

Installing the Battery

1. Open the printer's battery cover by pressing the cover latch. Push the cover away from the AC adapter receptacle. See Figure 10.

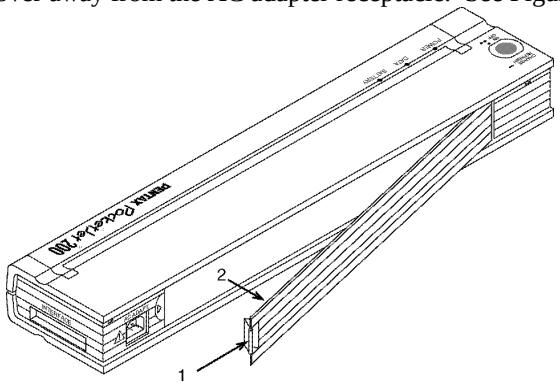


FIGURE 10. Opening the Battery Cover

2. Swing the cover open and remove it.

3. Gently push the battery connector into the terminal on the inside of the printer's battery compartment next to the cover latch until it latches. See Figure 11.

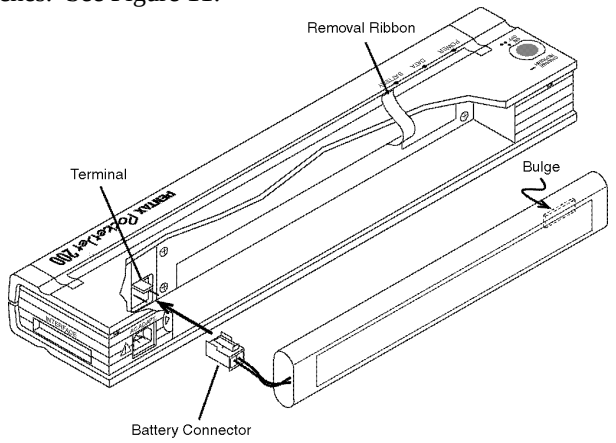


FIGURE 11. Pushing the battery connector into the terminal

CAUTION: *Do not force the battery connector into the terminal. If you are having difficulty inserting the connector, make sure the connector tab is facing the top of the printer case. See Figure 11.*

4. Grasp the battery removal ribbon, which is attached to the inside of the battery compartment. See Figure 12.

CAUTION: *If you forget to hold on to the ribbon, you may accidentally insert the battery on top of it. Then you won't be able to remove the battery by pulling the ribbon.*

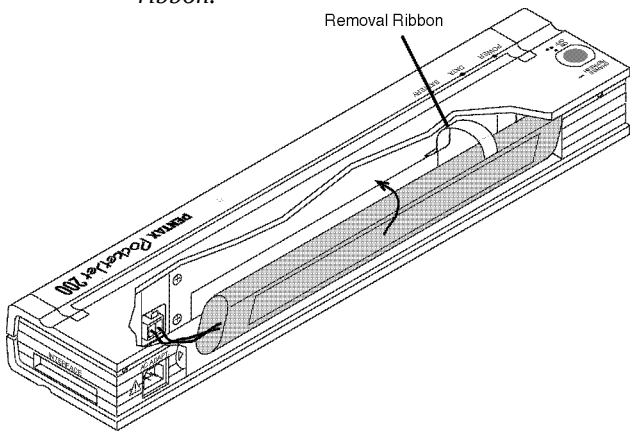


FIGURE 12. Placing the battery inside the battery compartment

5. While holding onto the ribbon, tilt the battery and place it inside the battery compartment. Once the battery clears the outer edges of the compartment, press it securely into position.

   Make sure the side of the battery with the warning label faces the outside of the battery compartment. Otherwise, the battery cover will not close properly.

   NOTE: *The side of the battery opposite the warning label contains a heat sensor that stops the flow of electricity if the battery overheats.*

6. Attach the battery cover to the end of the battery compartment opposite the AC adapter receptacle. Close and latch the cover. If necessary, gently push the cover latch towards the AC adapter receptacle until it latches.

Removing the Battery

1. Open the printer's battery cover by pressing the cover latch. Swing the cover open and remove it.

2. Pull out on the battery removal ribbon as shown in Figure 13 until the battery starts to tilt out of its compartment.

   NOTE: *If the battery removal ribbon is caught behind the battery, insert a thin metal object such as a flat-blade screwdriver between the battery and the case at the end away from the AC adapter receptacle and tilt it out of its compartment.*

3. Remove the battery from the compartment.

4. Squeeze down the connector tab on the battery connector.

5. Gently pull the battery connector from the terminal inside the printer.

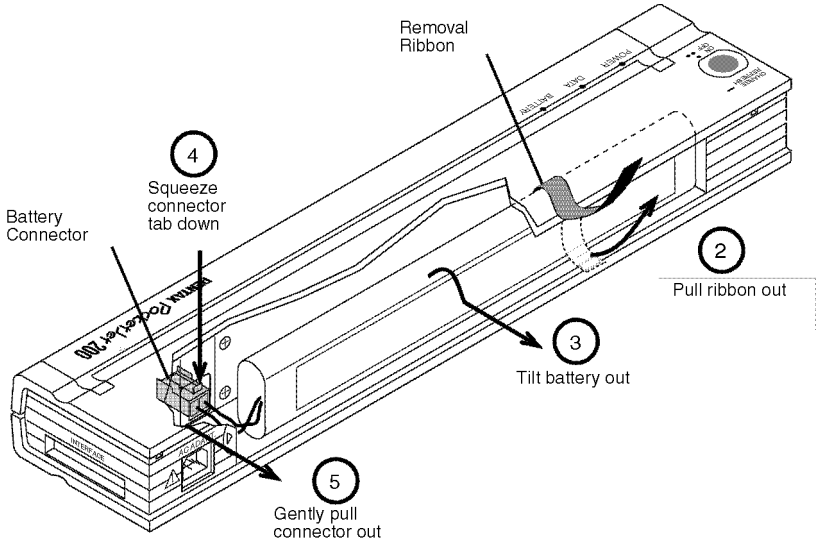


FIGURE 13. Instructions for removing the battery

Charging the Battery

Note: Batteries are shipped from the factory uncharged.

Charging the Battery

Charging the battery "tops off" the charge without first discharging the battery.

1. Make sure the printer is connected to an AC power outlet with the AC adapter and power cord or the DC charging-type adapter.

2. Make sure the printer is off.

3. Press the main switch and hold it down for a few seconds until the green BATTERY indicator light stays lit. This puts the printer in Conditioning mode, and starts discharging the battery.

4. Press the main switch and hold it down for a few seconds until the green BATTERY indicator light starts to blink. This bypasses the discharging process and puts the printer in Charge mode, which charges the battery immediately.

   The green BATTERY indicator light blinks until charging is complete.

   At the first charge of a fully discharged battery, the printer will be at 60% of capacity. The time to charge to 60% capacity is 70 minutes. This will yield approximately 60 pages per charge. To have 100% capacity, immediately repeat steps 1 through 4. The time to charge to 100% capacity is an additional 60 minutes for a total of 130 minutes. A battery at 100% charge will yield approximately 100 pages of printing.

   When the printer finishes refreshing the battery, it automatically turns itself off, and the green BATTERY indicator light goes off.

Conditioning Charge

1. Make sure the printer is connected to an AC power outlet with the AC adapter and power cord or the DC charging-type adapter. See page 2, "Connecting to an AC Outlet."

2. Make sure the printer is off.

3. Press the main switch and hold it down for a few seconds until the green BATTERY indicator light stays lit. This puts the printer in Conditioning mode, which completely discharges the battery and then charges a fully discharged battery to about 60% of its full capacity.

The green BATTERY indicator light stays lit continuously until discharging is complete; then it blinks until charging is complete.

When the printer finishes charging the battery, it automatically turns itself off, and the green BATTERY indicator light goes off.

NOTE: *Periodically, perhaps one out of every 10 charges, you should perform the "Conditioning Charge" to help extend battery life.*

Stopping the Charge or Conditioning Process

If you want to stop the printer while it is in Charge or Conditioning mode, press the main switch twice quickly.

Tips on Using the Battery

- Darker prints discharge the battery faster than lighter prints do. Use the density adjustment on your computer to adjust lightness and darkness. See "Advanced Software Features" on page 20.

Notes:

Chapter 3 - Tips on Using Paper

Inserting Paper

1. Use both hands to hold the paper straight while you insert it into the printer's paper input slot. Make sure the bottom edge of the paper is parallel to the feed roller.

2. Press the paper gently into the printer's input slot until the roller pulls it into the starting position, then let go. See Figure 14.

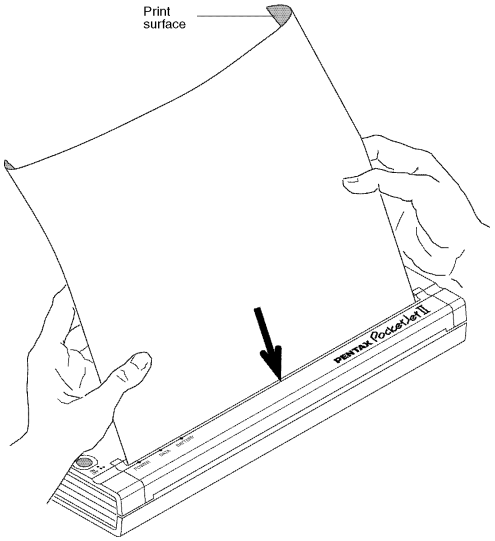


FIGURE 14. Inserting paper

If the paper is skewed after the printer pulls it into the starting position, you can correct the situation as follows:

- If the printer *does not* start to print immediately, open the release cover as far back as it will go. See Figure 16, page 32. Pull the paper out, close the cover, and reinsert paper.

- If the printer *does* start to print, wait for the page to be printed and then reprint that page if necessary.

NOTE: *If you insert paper into the printer* before *you start the print job, you will have time to adjust the paper if it is skewed after the printer pulls it into the starting position.*

See “Advanced Features:Form Feed Modes”, “Advanced Features: Non-Perforated Roll Paper Usage”, and “Advanced Features: Perforated Roll Paper” in Chapter 2.

Always Use Pentax Quality Paper

Pentax guarantees optimum compatibility with your PocketJet printer when you use Pentax Quality Paper. The PocketJet never needs toner, ribbons, or ink because it uses Pentax high-quality paper specifically designed for it. To order paper, see your dealer or order direct from Pentax. Refer to Chapter 8, “Ordering Information.”

Usage and Handling Instructions

- When loading paper, make sure the smooth, coated side faces the back of the printer.
- To avoid wrinkling and tearing, keep paper in its box or bag until ready to use.
- Do not fold, crease, or wrinkle paper prior to loading it into the printer.
- When storing paper, avoid high temperatures and humidity.
- Avoid prolonged exposure to intense ultraviolet light.
- Avoid contact with Diazo (blueprint), carbonless, or castcoated papers.
- Avoid contact with vinyl or acetate materials, such as many notebook or report covers.
- Avoid contact with organic solvents, oils, and ammonia.
- When using a colored marker, be sure to use one with a water-based ink. If you use a solvent-based marker, it may darken the paper.

Clearing a Paper Jam

Method 1

Press and hold the green Main Power switch. The drive motor will start and move slowly for a few seconds, then move faster as long as you hold the switch down. This can be repeated as many times as necessary. If this does not move the jammed paper out of the printer, use Method 2 below.

NOTE: *This method can also be used to finely position a sheet of paper for printing, for instance on a pre-printed form.*

Method 2

1. Gently open the release cover as far back as it will go. See Figure 15.

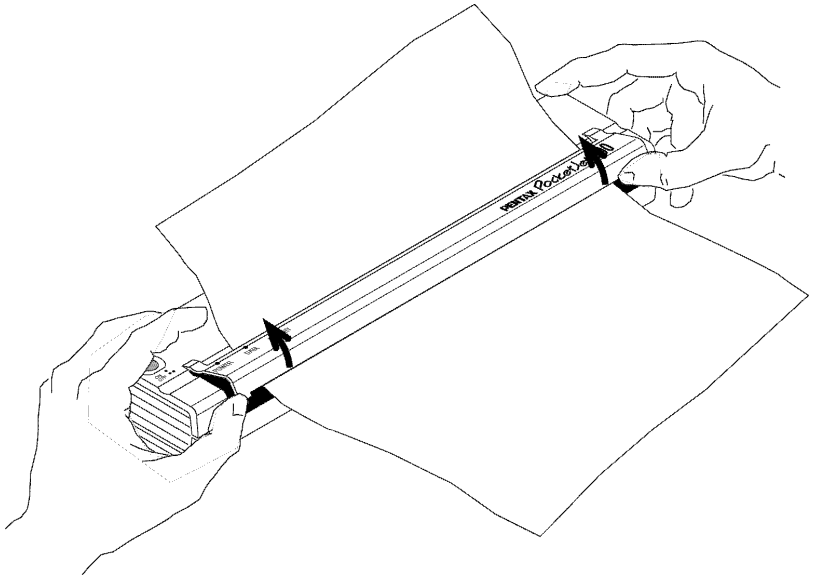


FIGURE 15. Opening the release cover

2. Gently pull the paper out of the printer. Pulling in either direction is acceptable. See Figure 16.

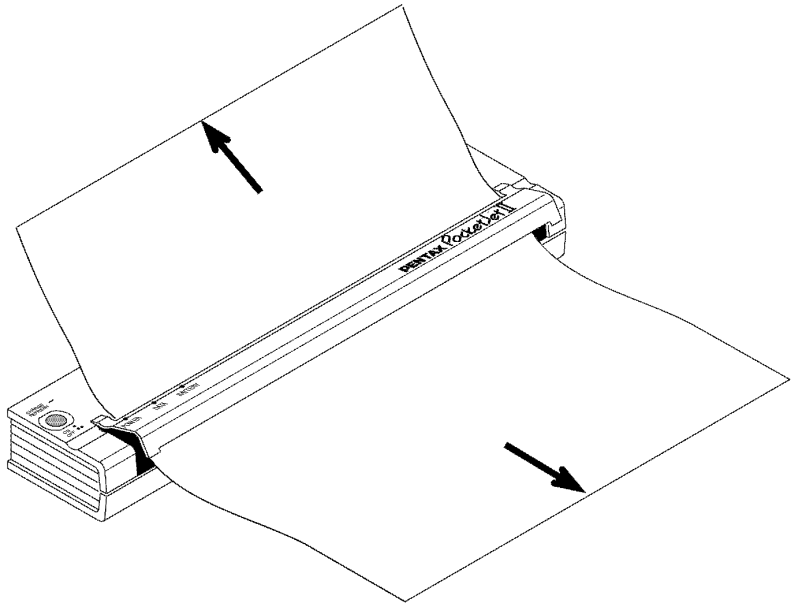


FIGURE 16. Pulling jammed paper out of the printer

3. Close the release cover.

4. Reinsert a new sheet of paper in the printer and restart the job.

Chapter 4 - Maintaining the Printer

Cleaning the Print Head

To maintain high print quality, clean the print head after 200 to 300 prints or whenever you detect broken or light characters on the page.

NOTE: *Defective or wrinkled paper can also cause broken or light characters. If the problem does not go away after you clean the print head, try a different sheet of paper or a higher density setting.*

1. Make sure the printer is off.

2. Set the Cleaning Mode to ON using DIP switch 4 as shown in Figure 17. With Switch 4 in the OFF position, the other three switches have no effect.

FIGURE 17. Setting the DIP switches for Cleaning Mode

3. Press the main switch once quickly to turn the printer ON, and then press the main switch once again quickly to start the printer platen roller turning.

4. Insert the black cleaning cloth that came with the printer into the printer's paper input slot with the rough black side, which contains the cleaning material, towards the rear of the printer. The printer pulls the cleaning cloth through. See Figure 18.

CAUTION: *If paper is in the printer when Cleaning Mode is initiated or during Cleaning Mode operation, a printer system error will result.*

5. The roller may be stopped by pressing the main switch briefly once more. Otherwise, the roller movement will stop automatically after about 40 seconds. In either case, the printer remains in Cleaning Mode until the printer is turned OFF, the Cleaning Mode is disabled by resetting the DIP switch, and the printer is turned back ON.

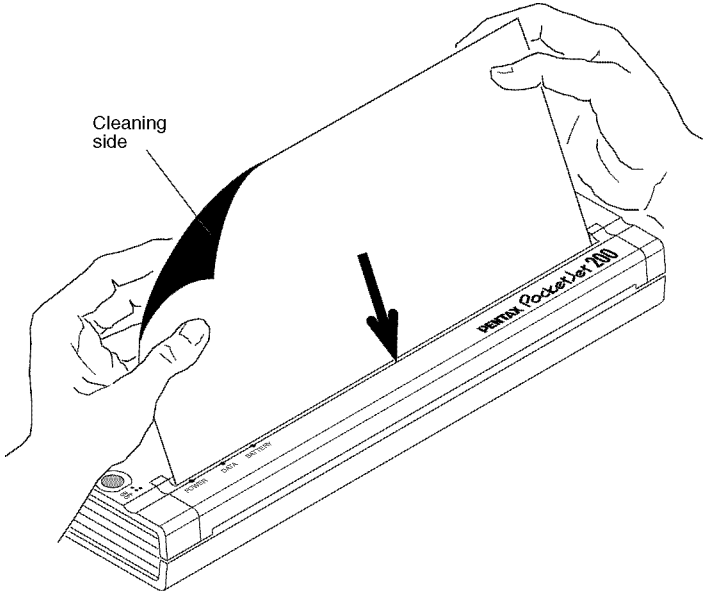


FIGURE 18. Inserting the cleaning cloth

CAUTION: *Do not attempt to clean the print head with any material other than the cleaning cloth.*

The cleaning cloth is for head and roller cleaning only. Do not use it to clean any other part of the printer.

6. Reset the Cleaning Mode to OFF by turning the printer off, resetting DIP switch 4, and turning the printer back on.

NOTE: *Don't throw the cleaning cloth away after you clean the print head. It should last for the life of the printer. Keep the cleaning cloth with your printer supplies and use it whenever you need to clean the print head.*

Cleaning the Platen Roller

Dirt and debris on the platen roller can make the roller feed paper into the printer at an angle, degrade the quality of the printed image, or both.

1. Make sure the printer is off.

2. Set the Cleaning Mode to ON using DIP switch 4 as shown in Figure 17.

3. Press the main switch once quickly to turn the printer ON, and then press the main switch once again quickly to start the printer platen roller turning.

4. Insert the black cleaning cloth that came with the printer into the printer's paper input slot with the rough black side, which contains the cleaning material, towards the front of the printer. The printer pulls the Cleaning Cloth through. See Figure 19.

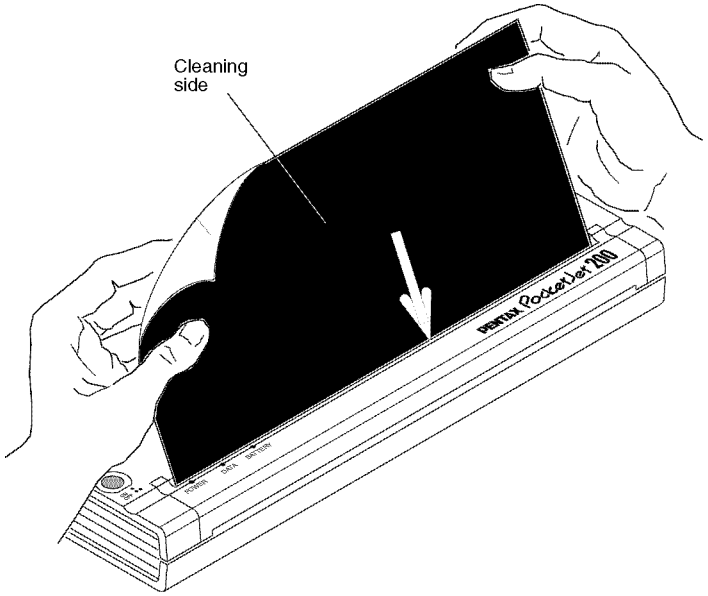


FIGURE 19. Cleaning the platen roller.

CAUTION: *If paper is in the printer when Cleaning Mode is initiated or during Cleaning Mode operation, a printer system error will result.*

5. The roller may be stopped by pressing the main switch briefly once more. Otherwise, the roller movement will stop automatically after about 60 seconds. In either case, the printer remains in Cleaning Mode until the printer is turned OFF, the Cleaning Mode is disabled by resetting the DIP switch, and the printer is turned back ON.

CAUTION: *Do not attempt to clean the platen roller with any material other than the cleaning cloth.*

The cleaning cloth is for head cleaning and platen roller cleaning only. Do not use it to clean any other part of the printer.

6. Reset the Cleaning Mode to OFF by turning the printer off, resetting DIP switch 4, and turning the printer back on.

NOTE: *Don't throw the cleaning cloth away after you clean the platen roller. It should last for the life of the printer. Keep the cleaning cloth with your printer supplies and use it whenever you need to clean the platen roller or the print head.*

Cleaning the Printer's Exterior

Should the outside of the printer become dirty, clean it using a soft cloth moistened with water. If necessary, add a very small amount of a mild soap such as a liquid dishwashing detergent.

CAUTION: *Avoid saturating the cloth. Do **not** allow water to get inside the printer.*

Avoid the use of benzene, alcohol, paint thinner, or cleaners that are abrasive, alkaline, or acidic. Such cleaners may damage the printer's case.

Chapter 5 - Reference

Indicator Lights

The indicator lights tell you about the current status of the printer. When an error occurs, they show the type of error.

Indicator Light Table

Power	Data	Battery	Indication
◑	◑	◑	System Error
◑	◑	○	Data I/O Error
◑	●/○	◑	Battery Error
◑	●/○	○	Printhead Overheating
◑	○	●	Attempted Recharge Without AC Power
○	○	●	Discharging Battery
○	○	◑	Charging Battery
●	—	●	Power On, Battery Greater Than 13V
●	—	◑	Power On, Battery Between 11.8V - 13V
●	—	○	Power On, AC Adapter
●	○	—	Empty Data Buffer
●	◑	—	Receiving Data From Computer
●	●	—	Buffer Contains Uprinted Data

● On ○ Off ◑ Blinking ●/○ Either On or Off — Doesn't Matter

Self-Test Feature

If the Self-Test Feature is activated, the PocketJet will print one letter-size page at a time.

See page 7 for the proper DIP switch position to enable this feature.

Auto-Off Timer Feature

The Auto-off timer conserves battery power when the printer is being powered from its battery. When the timer is active (when the printer is not connected to AC power), the printer turns itself off after 2 minutes of inactivity (unless there is data in the printer buffer).

See page 7 for proper DIP switch position to enable this feature.

NOTE: *Once the auto-off timer has turned the printer off, you must turn it back on by pressing the main switch once quickly. The printer does not turn itself back on automatically when the computer is attempting to send data to it.*

Chapter 6 - Troubleshooting

Overview

If you have difficulty getting your printer to work properly, first check to make sure you have done the following tasks correctly (See Chapter 1, “Setting Up the Printer”).

• Installing the battery or connecting the printer to an AC outlet

• Connecting the printer to your computer

Make sure you have installed and selected the proper printer driver as explained in Chapter 2, “Using the Printer.”

Look through the troubleshooting tips in this chapter for help correcting the problem.

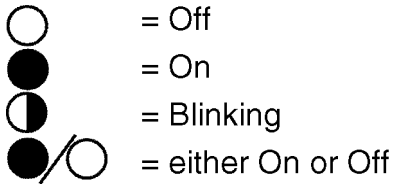
If none of these suggestions works:

• If you are in the U.S., call Pentax Technical Support at 1-800-543-6144 (extension 1820) from 8 AM to 5 PM Mountain Time, Monday through Friday.

• If you are outside the U.S., contact your local reseller or any of the Authorized Service Centers.

Indicator Light Warnings

Chapter 5, “Reference,” contains a table listing all combinations of indicator lights.



The POWER indicator light does not light

The printer is receiving no power. If you are using the AC adapter, make sure it is connected properly. See page 2, “Connecting to an AC Outlet.” Make sure the AC power outlet is “live.” If you are using a DC adapter, make sure power is connected.

The POWER and BATTERY indicator lights are blinking

A battery error has occurred. Make sure the battery has been installed and connected properly. See page 23, “Installing the Battery.”

If the battery is connected properly, you may have attempted to charge the battery and it has become overheated during a discharge or charge cycle. Allow the battery to cool before continuing to discharge or charge it.

If the indicator lights still show that a battery error has occurred, the battery may be defective or the printer may need service. Call Pentax or your local Authorized Service Center and ask for technical support.

The POWER, DATA, and BATTERY indicator lights are blinking

A system error has occurred. Turn the printer off and on again to clear the system error. You may need to cancel the print job and repeat turning the printer off and on again. If you cannot clear the error in this manner, call technical support.

The POWER and DATA indicator lights are blinking

A data I/O error has occurred. This requires cycling the PocketJet power off and on and then restarting the print job. Note that if previous pages were successfully printed, only the unprinted pages need to be resent. This can be accomplished using the application's print dialog.

The POWER indicator light is blinking and the BATTERY indicator light is off

The thermal print head has overheated. Turn the printer off or wait until the POWER indicator light stops blinking before you continue printing. The print job will continue if you do NOT turn the printer off and the print head cools down before a timeout occurs.

The POWER indicator light is blinking and the BATTERY indicator light is on

The printer is attempting to charge the battery, but it is not receiving any power. Make sure you have connected the printer to either an AC power outlet (See page 2, "Connecting to an AC Outlet") or a DC charging power adapter, page 3.

Paper Problems

The paper is jammed in the printer

See page 31, “Clearing a Paper Jam.”

Paper moves through the printer, but nothing appears on the paper

Make sure you are using Pentax Quality paper and that you are loading it properly with the print side away from you. See page 29, “Inserting Paper.” Also, check the Print Density setting using the “Advanced Software Features,” Chapter 2.

The printer may be in Cleaning Mode. Make sure the Cleaning Mode, DIP switch 4, is ON (Cleaning mode is on when the switch is in the OFF/down position). See page 33, “Cleaning the Print Head.”

Paper does not move through the printer even though the motor is running

If the release cover has been left open, close it completely.

Use Pentax Quality paper only. Heavy paper may not feed through the printer.

If the release cover is closed and you are using Pentax Quality paper, the printer may have a damaged drive system. Call technical support.

Printed Image Problems

The printed image is out of alignment

Make sure you are using the Pentax Quality paper.

Make sure you are inserting the paper correctly. See page 29, “Inserting Paper.”

Check to see whether the platen roller is dirty. If it is, clean it. Follow the instructions for “Cleaning the Platen Roller,” page 35.

The print quality is poor, and the image is too light or dark

Raise or lower the density setting using the printer driver. See page 20, “Making Prints Lighter or Darker.”

Make sure you are using recommended Pentax Quality Paper.

The image is squashed and stretched in many places

Make sure the release cover was not left open during printing. If it is open, close it completely.

Make sure the paper is not slipping in the printer. If it is, make sure the print head and platen roller are clean. See Chapter 4, “Maintaining the Printer.”

Make sure the paper is not wrinkled prior to inserting it. Also, make sure you are using Pentax Quality paper.

The image has light or white vertical lines

Make sure the release cover was not left open during printing. If it is open, close it completely.

Clean the print head. Follow the instructions in “Cleaning the Print Head,” page 33.

If cleaning the print head does not correct the problem, the print head may need maintenance. Call technical support.

All pages have a white vertical line

The print head may need maintenance. Call technical support.

All pages have a black vertical line

The print head may need maintenance. Call technical support.

Light patches of print appear on the image

The printer requires smooth paper to work properly. Make sure the paper does not have any dents or wrinkles. It should lie flat and it should not have a defective or uneven surface coating. Use Pentax Quality paper and make sure it does not have any obvious deformities.

Check the density setting using the printer driver. If the setting is too low, raise it. See page 20, “Making Prints Lighter or Darker.”

Clean the print head. Follow the instructions in “Cleaning the Print Head,” page 33.

If using a DC power adapter, make sure the voltage from the vehicle is high enough. Try starting the engine if necessary.

The top margin is incorrect

Make sure the correct margins have been set in the software application. If not, set the margins for the top and bottom of the page as needed.

Make sure you are not inserting the paper into the paper input slot with excessive force. Always insert the paper gently.

The image for one page requires more or fewer sheets than you expected

Make sure the software application and printer driver have been set to print the same size paper that you are loading into the printer. If the application or printer driver has been set to print legal-size paper and you insert letter-size paper, the image will require two sheets. Adjust the application or printer driver settings as needed or reduce the print image within your application to fit on the letter-size page.

The data lights will flash to indicate that data is still in the printer after the page has completed printing.

Certain colors of text do not print

Choose a different color of text. The Windows 3.1 "Universal Print Driver" is limited to 8 colors (specific colors, not total colors).

The side margins are incorrect

Check to make sure the correct margins have been set in the software application. Adjust the left margin as needed.

Make sure the software application or the printer driver has been set to print the same size paper that you are loading into the printer. If the application or printer driver has been set to print a different width paper, the image will not print in the proper horizontal position. Adjust the application or printer driver as needed.

The print does not contain the proper characters

Make sure you have defined the proper character set in the software application. If not correct, change it.

Trying another font may tell you if the original font was in error.

The print contains random dots

Check the printer driver to make sure it is set correctly. Check the parallel interface cable to make sure it is connected firmly and correctly. If possible, replace the interface cable with another and permanently replace it if it is defective.

Pages Don't Print

The green DATA indicator remains lit but does not blink

The print buffer contains unprinted data from the software application.

If you have already inserted paper in the printer, take the paper out and re-insert it to make sure the printer knows paper is ready. If that doesn't work, you may need to turn the printer off, turn it back on, and restart the print job.

If paper has not already been inserted into the printer, insert a new sheet of paper and the print job should proceed.

The application should be sending data to the printer, but the green DATA indicator is not lit

Make sure the interface cable is properly connected to both the printer and the host computer, or that the infrared unit is properly connected and oriented toward the infrared unit on the computer. See "Connecting to your Computer."

Pages Are Partially Printed

The green DATA indicator light goes out while a page remains in the printer

The software application may not have sent a full page of data. Restart the print job.

The application may have sent the wrong information about page size or you may have put in the wrong paper size. Check the application and the print driver for the proper page size. Check to be sure the application setting and the page size are the same. Adjust one or the other if necessary.

Make sure the printer driver is not inadvertently set to "No Feed Mode."

The printer ejects a partially printed page, and the green DATA indicator light remains lit or blinking

Make sure the Paper Size selection is correct using the application's dialog box.

The printer stops printing. The POWER indicator light is blinking and the BATTERY indicator light is off

The print head has overheated. Turn the printer off and allow it to cool before continuing to print. The printer may overheat if you use it over an extended period at a very high print density.

Windows CE-related Problems

I get an error message on my WinCE HPC when I try to print

Make sure the correct printer and port are selected. Make sure the printer cable is connected or the IrDa ports are aligned (if using infrared). Make sure the WinCE HPC is not connected to a PC. Try resetting the WinCE HPC according to the manufacturer's directions.

I must always select "landscape" mode when trying to print

This is required by Windows CE version 2.0.

There seems to be no way to print from my application

Your application may not support printing under Windows CE. Call the application vendor and request an update.

The printing is VERY slow

Some WinCE HPCs print more quickly with infrared than cable. Try both methods to determine the best for you.

I have to wait for a period of time after the last line of a print job for the paper to eject.

This is normal. Each WinCE HPC has a different wait time after a print job completes before it sends an eject signal to the printer.

I can only print one copy of a document when using infrared, then my WinCE HPC won't print any further.

This problem occurs when using certain HPCs (HP 620LX and perhaps others). Save and close all open documents (which will close the application), then reopen and print the desired document. You can also try pressing the CONTROL+period (.) to toggle between documents (without closing the application) and try printing again.

Chapter 7 - Technical Information

Specifications

Physical

Height: 1.18 in. (30 mm)
Width: 10.04 in. (255 mm)
Depth: 2.17 in. (55 mm)
Weight: 1.12 lb. (513 g) including battery

Printing

Method	Direct thermal printing
Resolution	PocketJet 200 - 203 (H) by 200 (V) dpi PocketJet II – 300 (H) by 300 (V) dpi
Density	Adjustable via control panel
Speed	Up to three pages per minute at normal (5% density) page coverage
Fonts	Any supplied by the application
Paper Sizes	*Letter* 8.5 in. by 11 in. (216 mm by 279 mm) *Legal* 8.5 in. by 14 in. (216 mm by 356 mm) *A4* 8.27 in. by 11.69 in. (210 mm by 297 mm) *Custom* 3.93 in. by 1.00 in. minimum 8.5 in. x 100 in. maximum (14 in. maximum length recommended)
Paper Type	Thermal—Cut Sheet or Roll Paper or Perforated Roll Paper
Paper Loading	Manual—Single Sheet
Form Feed Modes	No Feed Mode Fixed Page Mode End of Page Mode

Interface

Standard	Engine: Hirose NX-25 connector Host: Wireless Infrared Adapter 6” & 4’ Serial Cable 3’ & 6’ Parallel Cable 4’ USB Cable & 10’ USB Cable IR Cable Bluetooth Adapter Cable (requires 3rd-party Bluetooth-to-parallel adapter)

Environmental

Temperature	Operating: 41º to 95 F (5º to 35º C) Storage: 5º to 122º F (-15º to +50º C)
Humidity	Operating: 30-80% RH, non-condensing Storage: 30-85% RH, non-condensing

Electrical

Power Supply	AC: 100-240 volts, 50 or 60 Hz with AC Adapter DC: 11.8-14.4V from NiMH battery DC: 12VDC from Car Adapter
Power Usage	Operating: 106 watts maximum Standby: 13 watts
Optional Battery Type	Rechargeable nickel-metal hydride (NiMH)
Battery Yield	80 to 100 pages per charge (depending on page coverage)

Regulatory

CSA, UL, IEC, FCC

For PocketJet 200 units sold in the U.S.A., the following document applies.

Declaration of Conformity

According to 47CFR, Parts 2 and 15 for

Class B Personal Computers and Peripherals

We: Pentax Technologies

Located at: 100 Technology Drive
Broomfield, CO 80021
Phone: (303)460-1600 Fax: (303)460-1628

Declare under sole responsibility that the product identified herein, complies with 47CFR Parts 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on the statistical basis as required by 47CFR §2.909. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that my cause undesired operation. The above named party is responsible for ensuring that the equipment complies with the standards of 47CFR §§ 15.101 to 15.109.

Trade Name: PocketJet 200/AC adapter

Model Number: PT-A4202/PT-1101A

Signature of Party Responsible: Robert A Bender

Printed name of Party Responsible: Robert Bender

Executed on (Date), at (Place): 2/26/99, at Pentax Technologies

For PocketJet 200 units sold in the Europe, the following document applies.

Declaration of Conformity

Product Identification

Product Type: **Thermal Printer**
Product Name: **PocketJet 200 PT-A4202 (AC adapter PT-1101A)**

Means of Conformity

The above product has been tested to be in conformity with the Electromagnetic Compatibility Directives, 89/336/EEC, 92/31/EEC based on test results using harmonized standards in accordance with Article 10-1 of the Directive.

Standards Used: EN50082-1:1994
IEC 1000-4-2:1994
EN50082-1:1992
IEC 801-3:1984, IEC 801-4:1988

Standard Used: EN50081-1:1992
EN55022:1994 Class B

EC Representative

Pentax Technologies Europe
Weiveldlaan 3-5
1930 Zaventem, Belgium

Title: General Manager

Signature: **Martin Mogendorff** **6 March, 1999**

For PocketJet II units sold in the U.S.A., the following document applies.

Declaration of Conformity

According to 47CFR, Parts 2 and 15 for

Class B Personal Computers and Peripherals

We: Pentax Technologies

Located at: 100 Technology Drive
Broomfield, CO 80021
Phone: (303)460-1600 Fex: (303)460-1628

Declare under sole responsibility that the product identified therein, complies with 47CFR Parts 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, id identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on the statistical basis as required by 47CFR ¤2.909. Operation is subject to the following two conditions: (1) This device may not cause harmful interference that may cause undesired operation. The above named party is responsible for ensuring that the equipment complies with the standards of 47CFR ¤¤ 15.101 to 15.109.

Trade Name:	PocketJet II
Model Number:	A4303A
Sogmnature of Party Responsible:	*Robert A. Bender*
Printed Name of Party Responsible:	Robert A. Bender
Executed on (Date), at (Place):	10/22/97, at Pentax Technologies

For PocketJet II units sold in the Europe, the following document applies.

Declaration of Conformity

According to 47CFR, Parts 2 and 15 for

Class B Personal Computers and Peripherals

We: Pentax Technologies Europe

Located at: Weiveldlaan 3-5
1930 Zaventem - Belgium
Phone: (32) 2-720-2424 Fax: (32) 2-720-7776

Declare under sole responsibility that the product identified therein, complies with 47CFR Parts 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, id identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on the statistical basis as required by 47CFR ¤2.909. Operation is subject to the following two conditions: (1) This device may not cause harmful interference that may cause undesired operation. The above named party is responsible for ensuring that the equipment complies with the standards of 47CFR ¤¤ 15.101 to 15.109.

Trade Name:	PocketJet II
Model Number:	A4303A
Sogmnature of Party Responsible:	*Martin Mogendorff*
Printed Name of Party Responsible:	Martin Mogendorff
Executed on (Date), at (Place):	10/22/97, at Pentax Technologies

Declaration of Conformity

Product Identification Product Type: Power Supply
Product Name: PocketJet PT-1102A

Means of Conformity
The above product has been tested to be in conformity with the Electromagnetic Compatibility Directives, 89/336/EEC, 92/31/EEC based on test results using harmonised standards in accordance with Article 10-1 of the Directive.

Standards Used: EN50082-1:1994
IEC-1000-4-2:1994
EN50082-1:1992
IEC 801-3:1984, IEC801-4:1988

Standard Used: EN50081-1:1992
EN55022:1994 Class B

The above product has been tested to be in conformity with the Low Voltage Directive, 73/23/EEC, Amended by 93/68/EED Directive.

Standard Used: EN60950:1992+A1+A2:1993
IEC950:1992+A1+A2:1993 modified

The last two digits of the year in which the CE marking was affixed for Low Voltage Directive, 73/23/EEC, is 97

EC Representative Pentax Technologies Europe
Weiveldlaan 3-5
1930 Zaventem, Belgium

Title: Sales & Marketing Manager

Signature: *Martin Mogendorff* 28 January 1997
Martin Mogendorff

Declaration of Conformity

Product Identification Product Type: Power Supply
Product Name: PocketJet PT-1102B

Means of Conformity
The above product has been tested to be in conformity with the Electromagnetic Compatibility Directives, 89/336/EEC, 92/31/EEC based on test results using harmonised standards in accordance with Article 10-1 of the Directive.

Standards Used: EN50082-1:1994
IEC-1000-4-2:1994
EN50082-1:1992
IEC 801-3:1984, IEC801-4:1988

Standard Used: EN50081-1:1992
EN55022:1994 Class B

The above product has been tested to be in conformity with the Low Voltage Directive, 73/23/EEC, Amended by 93/68/EED Directive.

Standard Used: EN60950:1992+A1+A2:1993
IEC950:1992+A1+A2:1993 modified

The last two digits of the year in which the CE marking was affixed for Low Voltage Directive, 73/23/EEC, is 97

EC Representative Pentax Technologies Europe
Weiveldlaan 3-5
1930 Zaventem, Belgium

Title: Sales & Marketing Manager

Signature: *Martin Mogendorff* 28 January 1997
Martin Mogendorff

Radio & Television Interference

United States FCC Regulations

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and the receiver.

• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

The use of a shielded cable is required to comply with Class B limits of FCC rules.

Any changes or modifications not expressly approved by Pentax could void the user's authority to operate this equipment.

You may purchase a booklet prepared by the FCC entitled "Interference Handbook," stock number ISBN 0-16-041736-8, from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Canadian Regulations

This digital device does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appariel numérique respecte les limites de bruit radioélectrique applicables aux appariels numériques de Classe B préscrites dans le Règlement sur le brouillage radioélectrique du Ministère des Communications.

European Regulations

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, dab der/die/das

. . . . . PENTAX Thermodrucker PT-A4202 (‘PocketJet 200’) . . . . .
. . . . . PENTAX Thermodrucker PT-A4303 (‘PocketJet II’) . . . . .

In Übereinstimmung mit Bestimmungen der BMPT-AmbtsblVfg 243/1991 funk-entstört ist. Der vorschriftmäßige Betrieb mancher Geräte (z.B. Meßsender) kann allerdings gewissen Einschräkungen uterliegen. Beachten Sie deshalb die Hinweise in der Bedienungsanleitung.

Dem Bundesambt Für Zulassungen in der Telekommunikation wurde das inverkehrbringen dieses Gerätes angezeigt und die Berechtigug zur Überprüfung der Serei auf die Einhaltung der Bestimmungen eingeräumt.

PENTAX TECHNOLOGIES EUROPE N.V. - Zaventem, Belgium

Chapter 8 - Ordering Information

You can order the following supplies, accessories and replacement parts for your printer.

Supplies

- Cut sheet Pentax Quality Paper (100-sheet boxes):
  - Letter size
  - Legal size
  - A4 size
- Rolls of Pentax Quality Paper (100 ft.):
  - Letter width
  - A4 width
  - Perforated Paper

Accessories/Replacement Parts

Note: Depending on the kit, these items may be included, not optional.

- 6” PDA serial cable (for connecting to PDA synchronization cable or cradle)
- 4’ PC serial cable for connecting to desktop or notebook PCs
- 3’ Parallel cable
- 6’ Parallel cable
- USB cable
- Bluetooth adapter cable
- Wireless infrared adapter unit
- NiMH battery
- Non-Charging car adapter
- Running/Charging car adapter
- Carrying case with room for a spare battery
- Vehicle Mount (printer an droll paper)
- Desktop Caddy
- Cleaning cloth
- AC power cable

You can order the items above on the Pentax online store at:
http://www.pentaxtech.com

For the name of the closest dealer, call the following numbers:

- If you are in the U.S., call Pentax at 1-800-543-6144 from 8 a.m. to 5 p.m. Mountain Time, Monday through Friday, and ask for Sales.

- If you are outside the U.S., contact the dealer where you purchased your printer for information about ordering supplies, accessories and replacement parts.

Index

A

AC Adapter v, vi, vii, 2, 42, 50
AC Cable vi, 23, 59
AC Power v, vi, 2, 39
AC Power Outlet 2, 19, 27, 41
Accessories 1, 59
Advanced Software Features 20
Auto-Off Timer 4, 7, 20, 40

B

Battery
- Charging vi, vii, 2, 4, 23, 27, 28
- Connector 24, 26
- Compartment 5, 6, 24, 25
- Cover 24, 26
- Discharging 4, 7, 27
- Error 41
- Installation 24-26
- Life 4
- Overheating 25, 41
- Recycling Information vi
- Refreshing 4, 27, 28
- Removal 25, 26
- Seasoned 27
- Tips on Using 28

Blackberry vii, 12
Battery Removal Ribbon 24, 25

C

CD, Driver viii, 9, 10-17
Charge Mode 27
Charging Adapter 3
Charging the Battery 4, 28
Checking DIP Switches 5
Cleaning Mode 7, 33-36, 42
Cleaning
- Cloth 36, 58
- Platen Roller 37, 42, 43
- Print Head 7, 35, 36, 42
- Printer Exterior 38

Clearing a Paper Jam 33
Conditioning Charge ….28
Connecting to a DC Supply 3
Connecting to an AC Outlet 2
Connecting to Your Computer 8

Control Modes 7
Customer Support i, viii
Cut Sheet Paper Usage 22
D
Darker Prints 27
Data Indicator 19, 41, 45
DC Adapter 18, 26, 40, 41, 43, 48
DC Supply 3, 20
Declarations of Conformity 51-56
Density Modes 21
DIP Switches 33
DIP Switch Functions 7
Direct Thermal Technology vii, 47
Discharged Battery 4, 5, 26, 27
Drivers, Printer vii, 9-11, 20
Driver CD vii, 9, 11
Driver Installation 9, 14
E
Errors 5, 33, 35, 37, 40, 41, 44, 46
  Indicator Light Table 37
End of Page Mode 21, 48
EPOC 32 vii, 9, 12, 13
Extended Warranty viii
F
Features
  Printer vii
  Advanced Software 20
Fixed Page Length/Mode 21, 22
Form Feed Modes 21, 30, 48
G
Green Battery Indicator 4, 5, 19, 27, 28
H
HPC 46
I
Image Problems 44
Indicator Lights 4, 5, 39, 42
Infinite Length Forms 22
Infinite Paper Size Selection vii, 16
Infrared Adapter vii, 8, 48, 57
Infrared Cable vii
Inserting Paper 29, 42
Installing the Battery 25, 39, 40
Installing Drivers 9, 14
Interface Connector 8, 46
Interface Cables vii, 1, 8, 18, 44, 45, 48

L
Laptop Computer 8
Light, Battery 5, 27, 28, 42
Light, Data 5
Light, Power 5
M
Main Switch 4, 18, 19, 26, 27, 33, 35, 36, 38
Maintaining the Printer 35
Making Prints Lighter or Darker 20
Manual Form Feed 4
Multipage Documents with Tearoff 22
N
NiMH Battery vi, viii, 7, 26, 48, 57
No Feed Mode 21, 45, 48, 57
No Feed Extra Feed Mode 21
Non Charging DC Adapter 3, 4, 57
Non-Perforated Roll Paper Usage 22
O
Operation Panel 4
Ordering Information 30, 57
  Accessories 57
  Replacement Parts 58
  Supplies 57
Outdoor Use Warning v
Overheating, Thermal Print Head 41, 46
P
Palm OS Systems vii, 11
Pages Don’t Print 47
Pages Partially Printed 47
Paper
  Inserting 4, 15-19, 29, 32, 42, 44, 45
  Jam, Clearing 31, 32, 42
  Problems 44
  Pentax Quality viii, 18, 32, 42, 43
  Sizes 22, 47
  Tips on Using 29, 32
Parallel Interface Cable vii, 48
Perforated Roll Paper Usage 23
PDA 10-13
Platen Roller 33, 35, 36, 42, 43
Pocket PC 10
Power Light 5, 18, 40, 41, 46
Power Off 4, 41
Power Plug v
Print Density 20, 42, 46

Print Dialog 18
Print Head, Cleaning 33, 34, 36, 43
Print Speed vii, 47
Printed Image Problems 42
Printer Driver Installation 9
PDA Systems 9
Pocket PC Systems 9
Palm OS Systems 11
RIM Blackberry Systems 12
Psion Systems 12
Windows CE Systems 13
Windows Systems 14
Windows 95, 98 or Windows Me 14
Windows 3.1 15
Windows NT 4.0 15
Windows 2000/Windows XP 17
Printer's Exterior, Cleaning 36
Printer Features vii
Printing 18
Printing a Self-Test Sheet 6, 7, 38
Protecting the Printer 24
Psion 13
R
Radio & Television Interference
Canadian Regulations 58
European 58
United States FCC Regulations 57
RBRC vi
Refreshing the Battery 4, 26, 27
Regulatory 48-54
Release Cover 29, 31, 32, 42, 43
Remove the Interface Connector 8
Removing the Battery 27
Remove the Cover 23
Replacement NiMH Batteries vi
Replacement Parts 59
Resolution vii, 47
RIM Blackberry Systems ii, vii, 12
Roll Paper vii, 7, 16, 21, 47, 57
S
Safety Information v
Self Print 7
Self Test 40
Self Test Sheet 6
Serial Cable vii, 8, 13, 18, 48, 57

Serial Synchronization Cable 8, 18
Setting DIP Switches 6, 34, 36
Specifications 49
Standard (battery) Charge 26
Stopping the Charge or Conditioning Process 29
Supplies 34, 36, 59
Synchronize with PC 10, 12
System Requirements, Windows 14
T
Technical Information 49
Technical Support 9, 39
Tips on Using Paper 31
Tips on Using the Battery 29
Troubleshooting 41
Turning the Printer ON 4, 18-20
Turning the Printer OFF 4, 20
U
Unpacking the Printer 1
USB Cable vii, 8, 48
Use Recommendations v
Using the Operation Panel 4
Using the Printer 9
Using Paper, Tips on 29
V
Variable Length Forms 21
Vehicle Mounts 57
Vehicle Power vii, 3, 20, 48
W
Warranty Information viii
Warranty Registration 9, 10-13, 15, 16
Windows 2000 9, 18
Windows 3.1 9, 16, 22, 44
Windows 95 9, 15, 20, 22
Windows 98 9, 15, 20
Windows CE vii, 13, 14, 18, 22, 58
Windows CE-related Problems 48
Windows Me 15
Windows NT 9, 16, 20, 21
Windows XP 18

PENTAX® PocketJet® II
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User's Guide

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